

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S1 | 1 | "6638294".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/19 07:10 |
| S2 | 1 | "4522195".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 09:39 |
| S3 | 49 | ("3860968" "3860968" "4175264" "4522195" "4522195" "4771765" "4957504" "5176619" "5250167" "5250167" "5337754" "5352180" "5360445" "5389222" "5389222" "5397349" "5578012" "5613935" "5827171" "5827171" "5865721" "5910124" "5928132" "5941813" "5941813" "6074365" "6084321" "6136025" "6149578" "6165119" "6210318" "6228018" "6228018" "6245007" "6249076" "6249076" "6264601" "6264601" "6288018" "6299575" "6376971" "6376971" "6387037" "6390969" "6406422" "6428464" "6464655" "6468200" "6530876" "6533716" "6545384" "6545384" "6579223" "6610004" "6638253" "6638253" "6638294" "6676692" "6685621" "6793618" "6893431").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 09:50 |
| S4 | 811 | 600/16.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 09:50 |
| S5 | 184 | 600/17.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 09:50 |
| S6 | 0 | "623".S3.S1.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 09:50 |
| S7 | 130 | 623/3.1.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 09:50 |

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| S8 | 33 | 623/3.11.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 09:50 |
| S9 | 30 | 623/3.16.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 09:50 |
| S10 | 35 | 623/3.17.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 09:59 |
| S11 | 1073 | S7 S8 S9 S10 S4 S5 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 09:59 |
| S12 | 873 | S11 and @ad<="20040412" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/19 07:14 |
| S13 | 780 | S12 and pump | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:42 |
| S14 | 25143 | "shape memory" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:27 |
| S15 | 59 | S13 and S14 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:26 |

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|-----------------------|---|---|---------------------------------|----|--------|------------------|
| S16 | 780 | (US-20050165269-\$ or US-20030208097-\$ or US-20020045795-\$ or US-20040059189-\$ or US-20040059182-\$ or US-20040059181-\$ or US-20030149333-\$ or US-20020091296-\$ or US-20040181125-\$ or US-20040111006-\$ or US-20040267086-\$ or US-20030023131-\$ or US-20040122282-\$ or US-20040267085-\$ or US-20020019577-\$ or US-20030212306-\$ or US-20030195382-\$ or US-20030144624-\$ or US-20030105383-\$ or US-20040039243-\$ or US-20030069465-\$ or US-20050131385-\$ or US-20050113631-\$ or US-20050085683-\$ or US-20040116768-\$ or US-20030088147-\$).did. or (US-20030069468-\$ or US-20030191538-\$ or US-20020026092-\$ or US-20020103413-\$ or US-20030199727-\$ or US-20050010077-\$ or US-20020082467-\$ or US-20020072698-\$ or US-20040167375-\$ or US-20020139377-\$ or US-20030176760-\$ or US-20040002626-\$ or US-20020095210-\$ or US-20040098113-\$ or US-20030191357-\$ or US-20030163020-\$ or US-20040171904-\$ or US-20020161274-\$ or US-20030233143-\$ or US-20040082992-\$ or US-20030191529-\$ or US-20030127090-\$ or US-20030229261-\$ or US-20030229260-\$ or US-20030163019-\$ or US-20040249236-\$ or US-20040147803-\$).did. or (US-20030144574-\$ or US-20030187321-\$ or | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2006/06/13 13:26 |
| 9/20/2006 12:32:57 PM | US-20030144573-\$ or C:\Documents and Settings\20030144573\My Documents\EAST\Workspaces\10822315.wsp US-20030187321-\$ or | | | | Page 3 | |

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|-----|--------|-------------------------------------|----------------------------------|----|----|------------------|
| S17 | 73 | S16 and ("shape memory" or nitinol) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/13 13:27 |
| S18 | 1 | "20050228211" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/20 13:08 |
| S19 | 2146 | 606/198,191,197.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/21 13:02 |
| S20 | 1145 | 606/198.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/21 13:02 |
| S21 | 1015 | 606/191.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/21 13:02 |
| S22 | 172 | 606/197.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/21 13:02 |
| S23 | 1872 | S19 and @pd<="20040112" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/21 13:18 |
| S24 | 333 | S23 and "shape memory" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/21 13:26 |
| S25 | 376 | S23 and nitinol | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/21 13:43 |
| S26 | 337 | S23 and actuat\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/06/21 13:48 |
| S27 | 1 | "5725004".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 09:52 |
| S28 | 242143 | diaphragm | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 09:52 |

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| S29 | 837 | 600/16.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 09:52 |
| S30 | 188 | 600/17.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 09:52 |
| S31 | 132 | 623/3.1.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 09:52 |
| S32 | 35 | 623/3.11.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 09:52 |
| S33 | 30 | 623/3.16.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 09:52 |
| S34 | 36 | 623/3.17.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 09:52 |
| S35 | 1104 | S31 S32 S33 S34 S29 S30 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 09:52 |
| S36 | 361 | S28 and S35 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 09:55 |
| S37 | 304 | S36 and @ad<="20040412" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 09:53 |
| S38 | 2179 | 606/198,191,197.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 10:00 |
| S39 | 1872 | S38 and @pd<="20040112" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 10:04 |
| S40 | 407 | S28 and (S35 or S39) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 10:00 |

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|-----|---------|---|---|----|-----|------------------|
| S41 | 334 | S40 and @pd<="20040112" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 10:41 |
| S42 | 1 | "4522195".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 10:10 |
| S43 | 3211 | ((606/191,197,198) or (600/16,17) or (623/3.1,3.11,3.16,3.17)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/13 10:41 |
| S44 | 2633 | S43 and @pd<="20040112" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 10:41 |
| S45 | 1962280 | "6" and (pump or diaphragm or actuat\$4 or umbrella) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 10:42 |
| S46 | 1204 | S44 and (pump or diaphragm or actuat\$4 or umbrella) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/13 10:42 |
| S47 | 5 | ("5,904,711") or ("3568659") or ("5006104") or ("6989027") or ("6,981,942").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/19 07:12 |
| S48 | 332 | ((623/3.18,3.19,3.28) or (600/18)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/19 07:14 |
| S49 | 286 | S48 and @ad<="20040412" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/19 07:14 |

Interference Search

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|----------------------------------|------------------|---------|------------------|
| L1 | 37 | (pump\$4 AND (impermeable or permeable) AND (actuation or frame or "elongate member") AND (expand\$4 or contract\$4)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2006/09/20 12:23 |